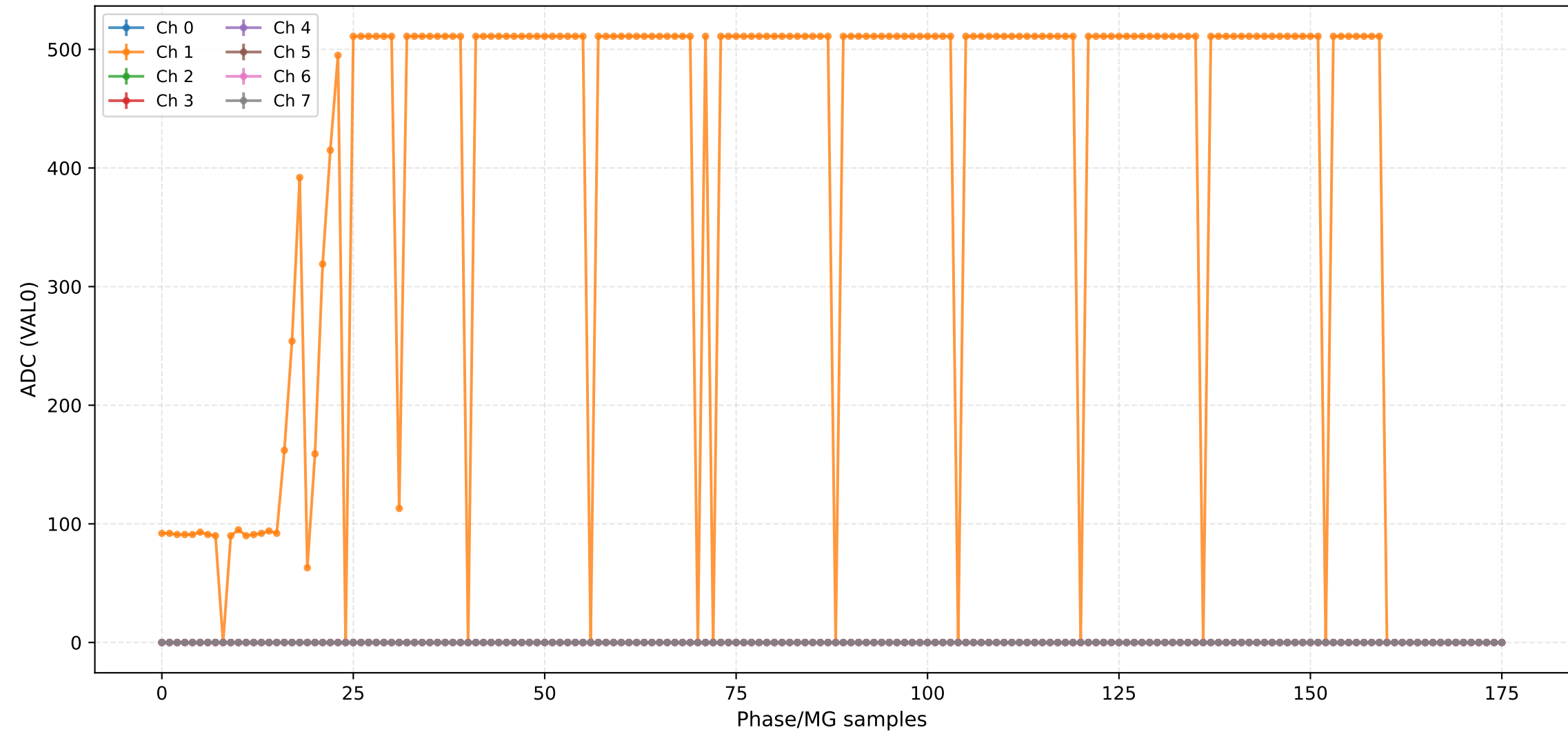


ADC (VAL0) - Channels 0 to 7



## ADC (VAL0) - Channels 8 to 15



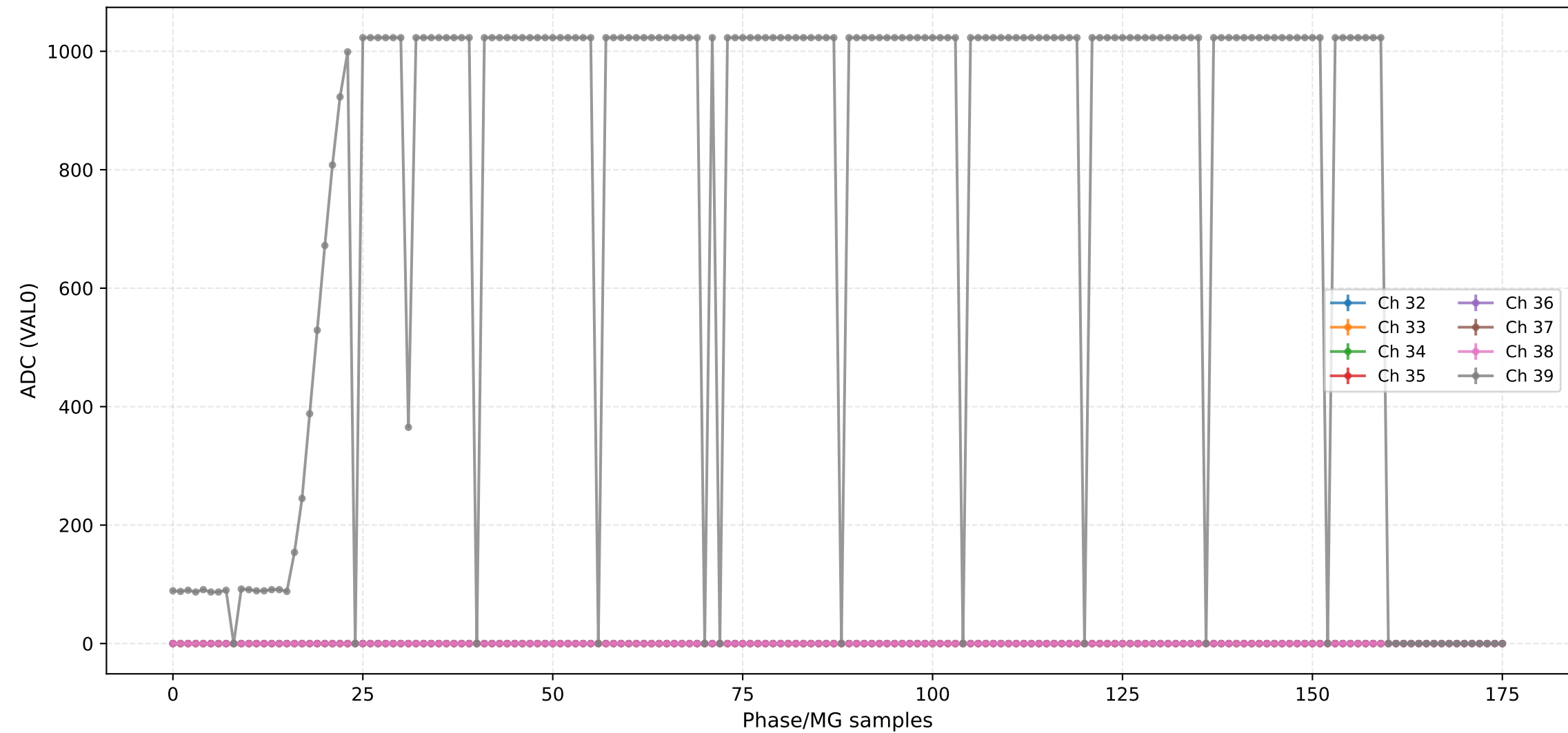
## ADC (VAL0) - Channels 16 to 23



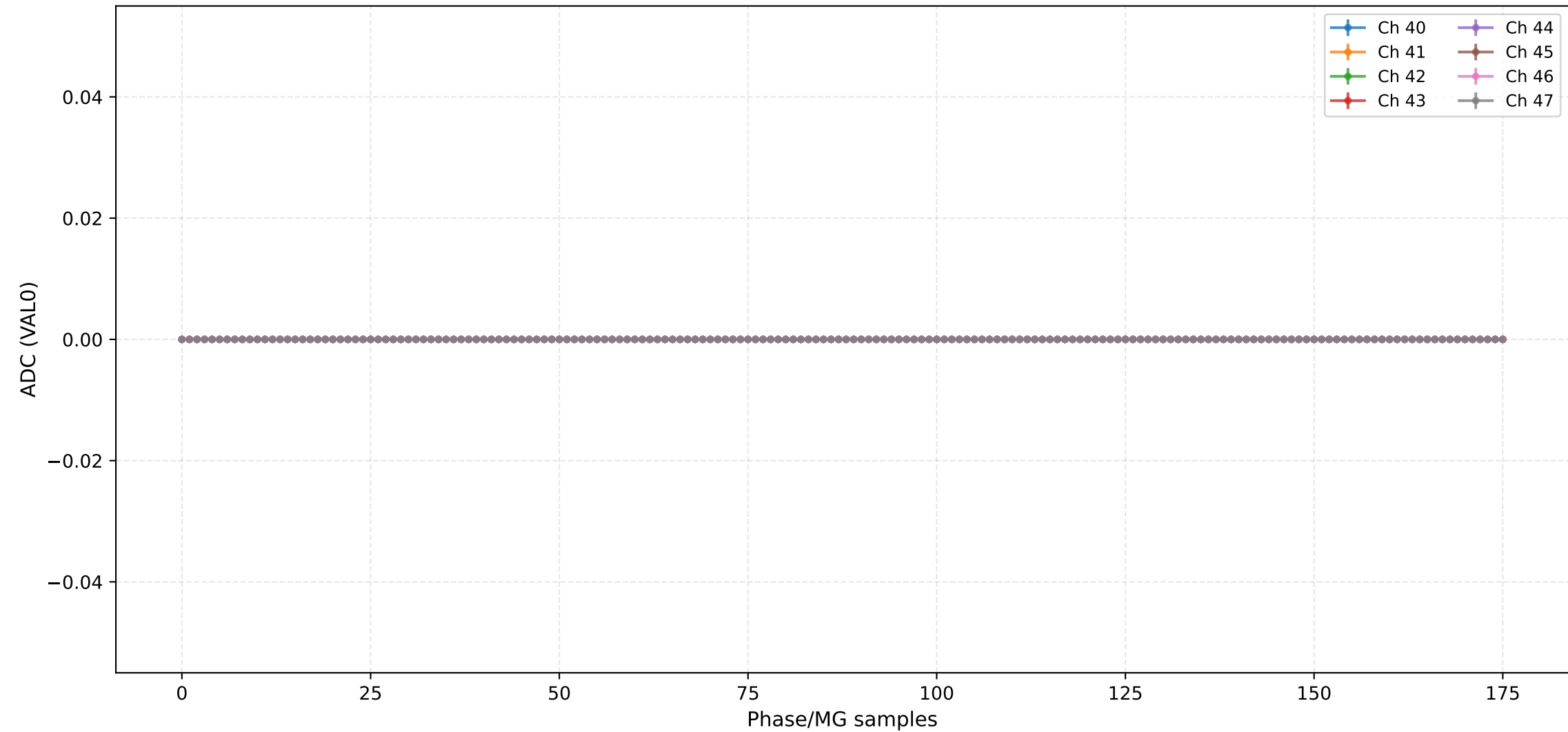
### ADC (VAL0) - Channels 24 to 31



## ADC (VAL0) - Channels 32 to 39



### ADC (VAL0) - Channels 40 to 47



### ADC (VAL0) - Channels 48 to 55



## ADC (VAL0) - Channels 56 to 63

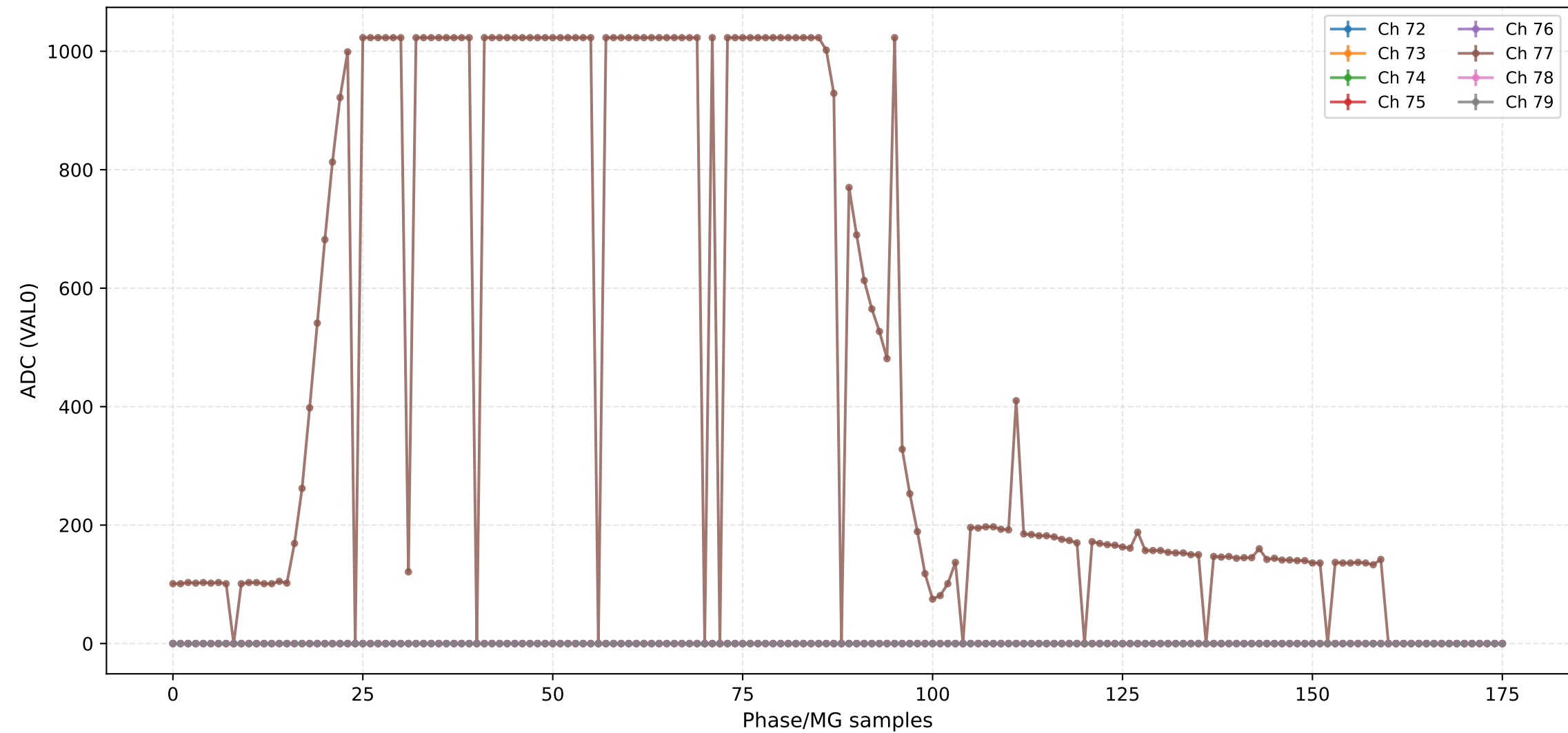




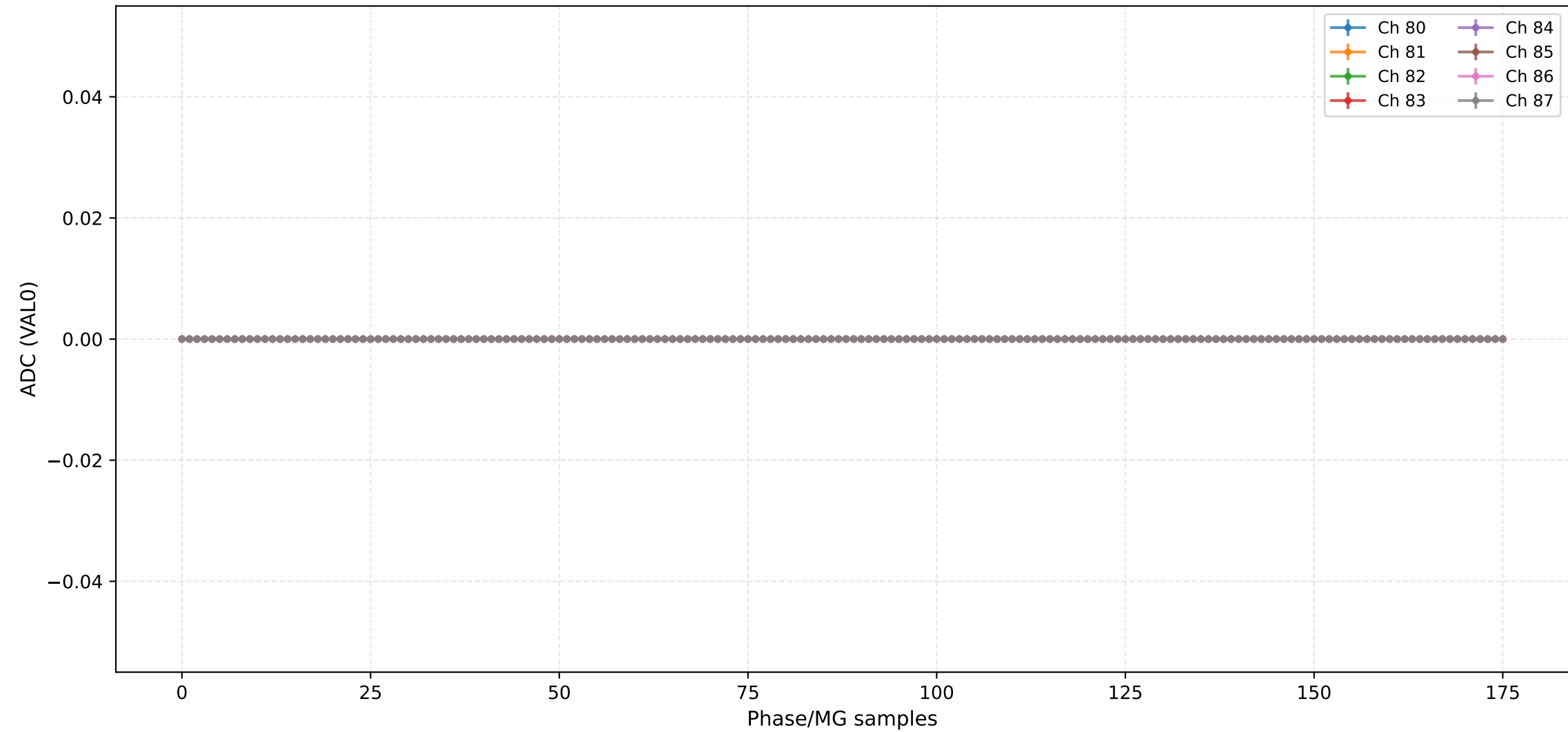
### ADC (VAL0) - Channels 64 to 71



## ADC (VAL0) - Channels 72 to 79



### ADC (VAL0) - Channels 80 to 87



### ADC (VAL0) - Channels 88 to 95



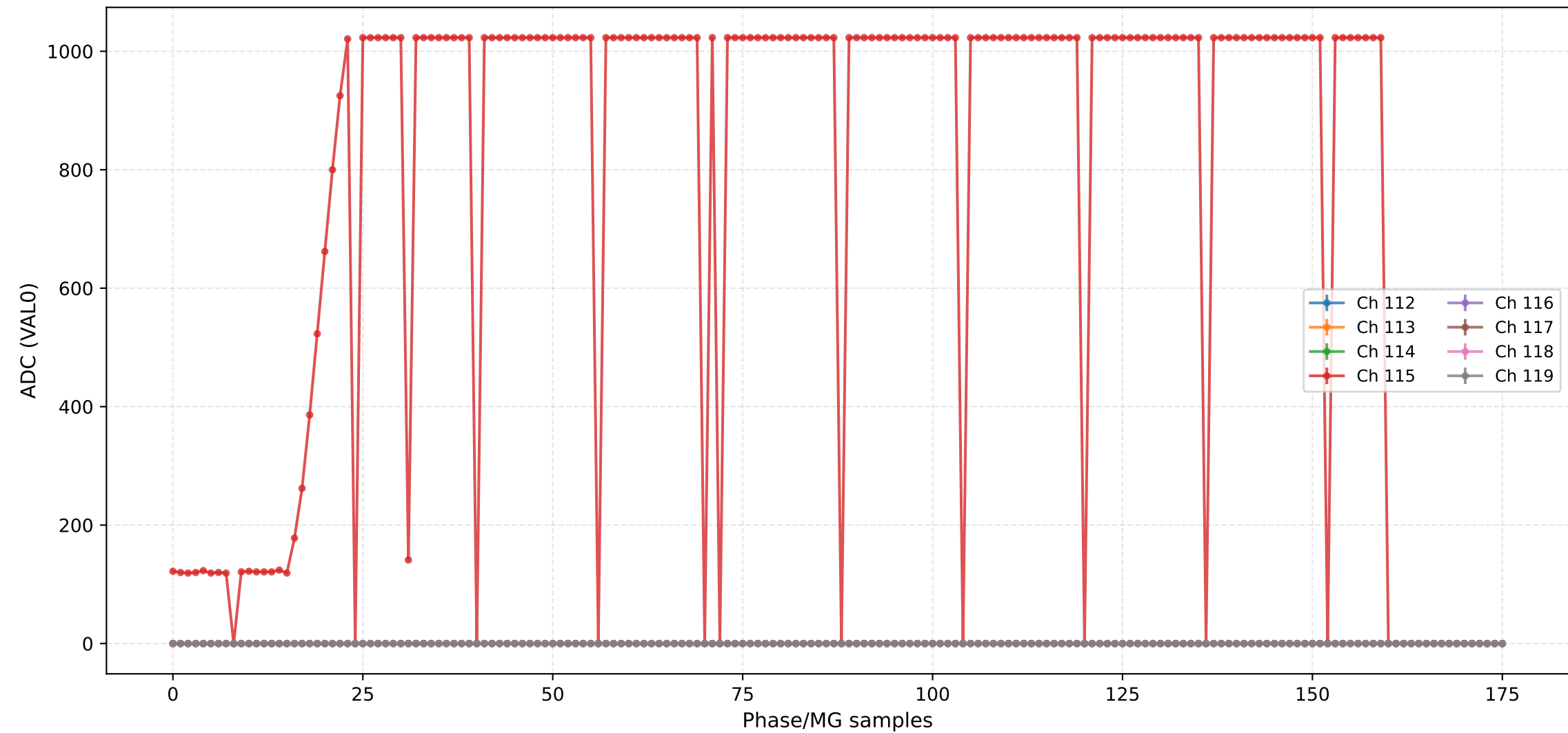
### ADC (VAL0) - Channels 96 to 103



### ADC (VAL0) - Channels 104 to 111



ADC (VAL0) - Channels 112 to 119



### ADC (VAL0) - Channels 120 to 127





### ADC (VAL0) - Channels 128 to 135



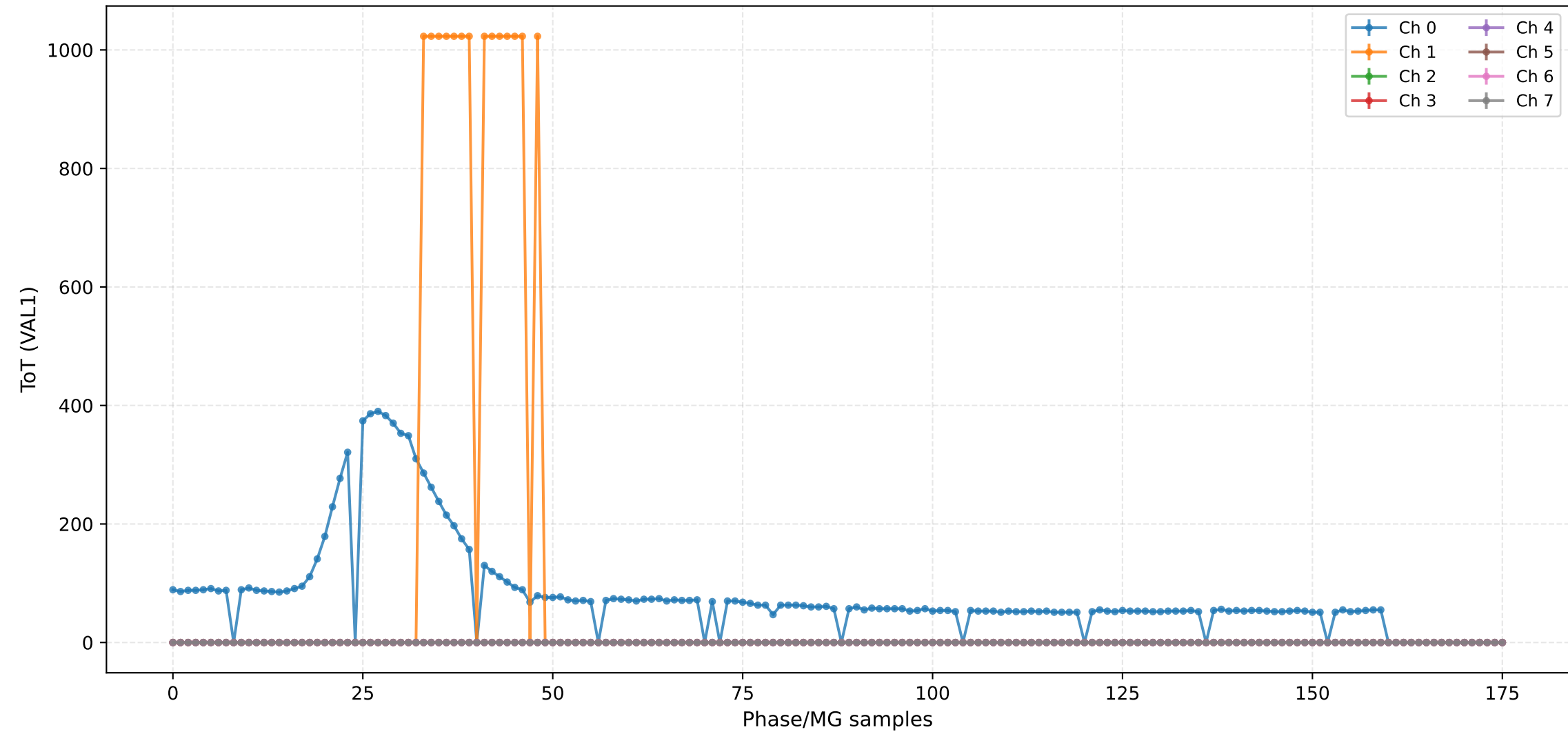
### ADC (VAL0) - Channels 136 to 143



## ADC (VAL0) - Channels 144 to 151



## ToT (VAL1) - Channels 0 to 7



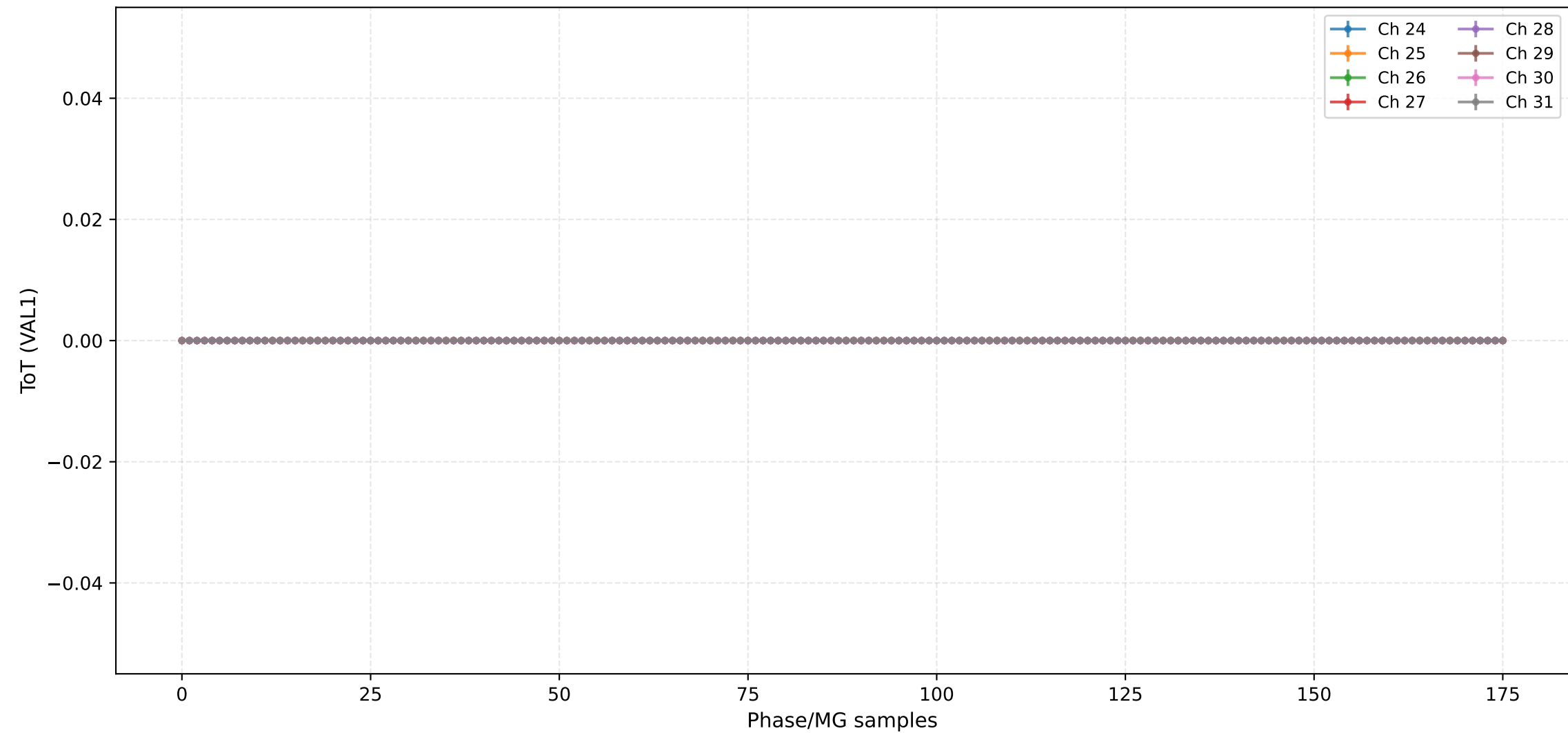
## ToT (VAL1) - Channels 8 to 15



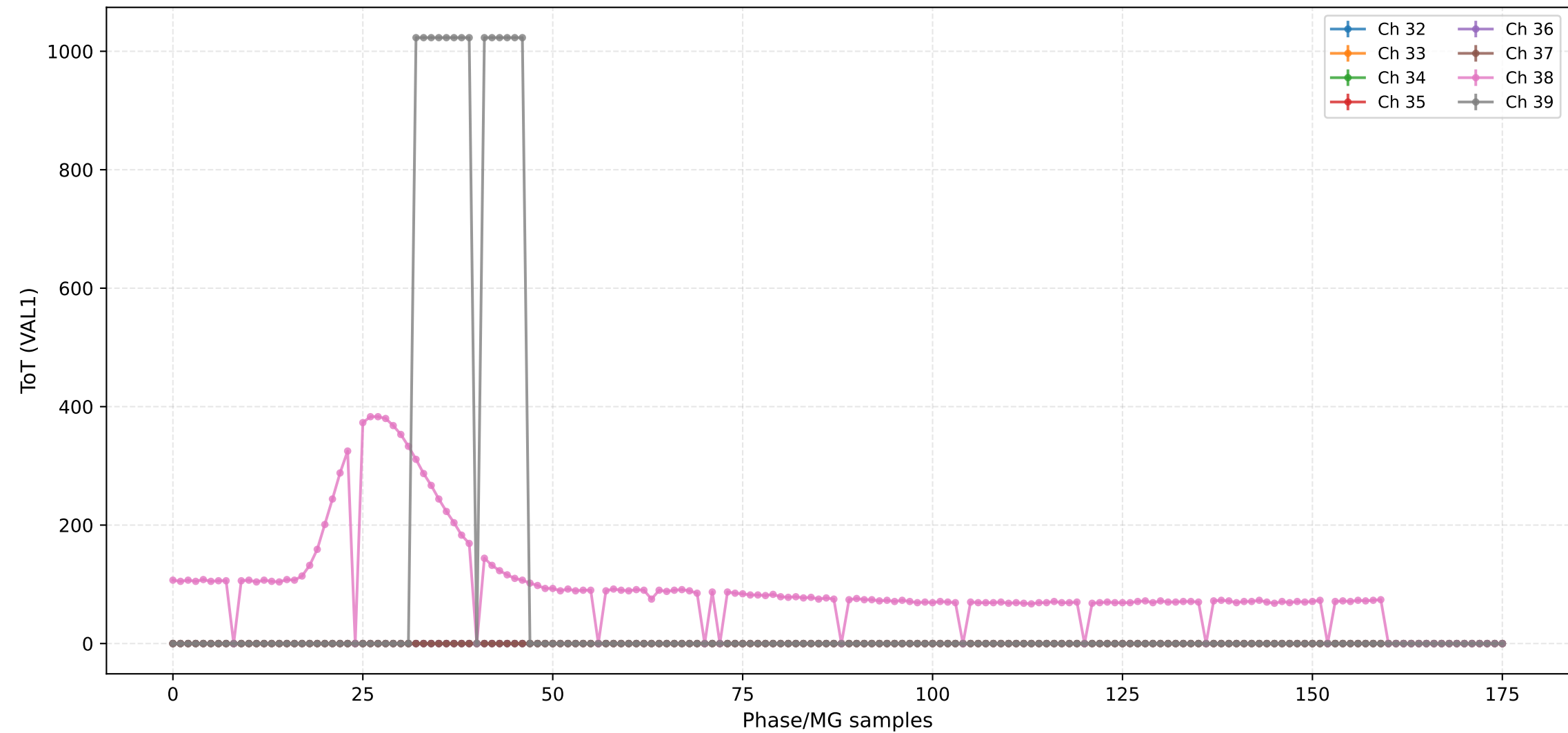
ToT (VAL1) - Channels 16 to 23



ToT (VAL1) - Channels 24 to 31



### ToT (VAL1) - Channels 32 to 39





ToT (VAL1) - Channels 40 to 47



ToT (VAL1) - Channels 48 to 55



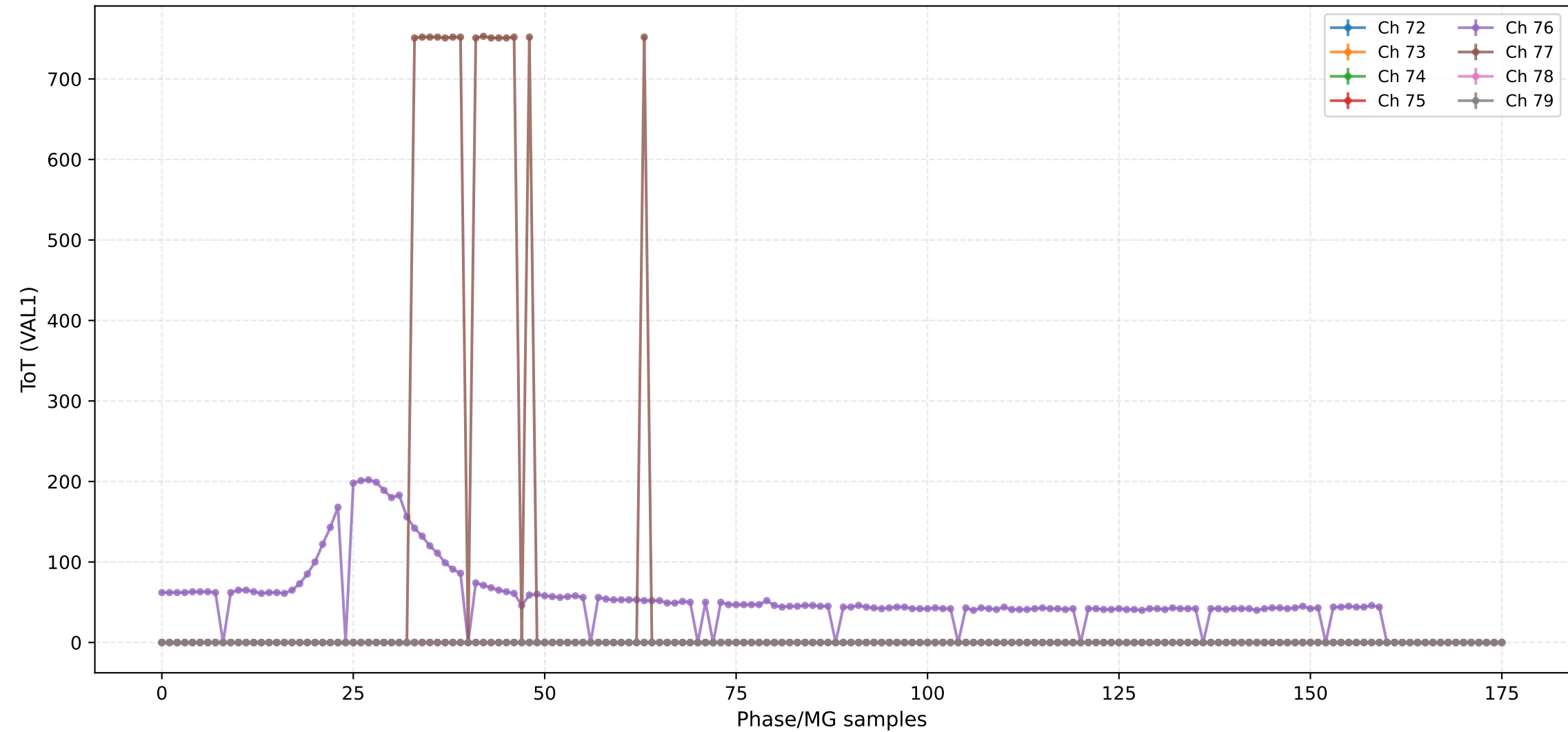
### ToT (VAL1) - Channels 56 to 63



## ToT (VAL1) - Channels 64 to 71



## ToT (VAL1) - Channels 72 to 79



## ToT (VAL1) - Channels 80 to 87



### ToT (VAL1) - Channels 88 to 95



ToT (VAL1) - Channels 96 to 103

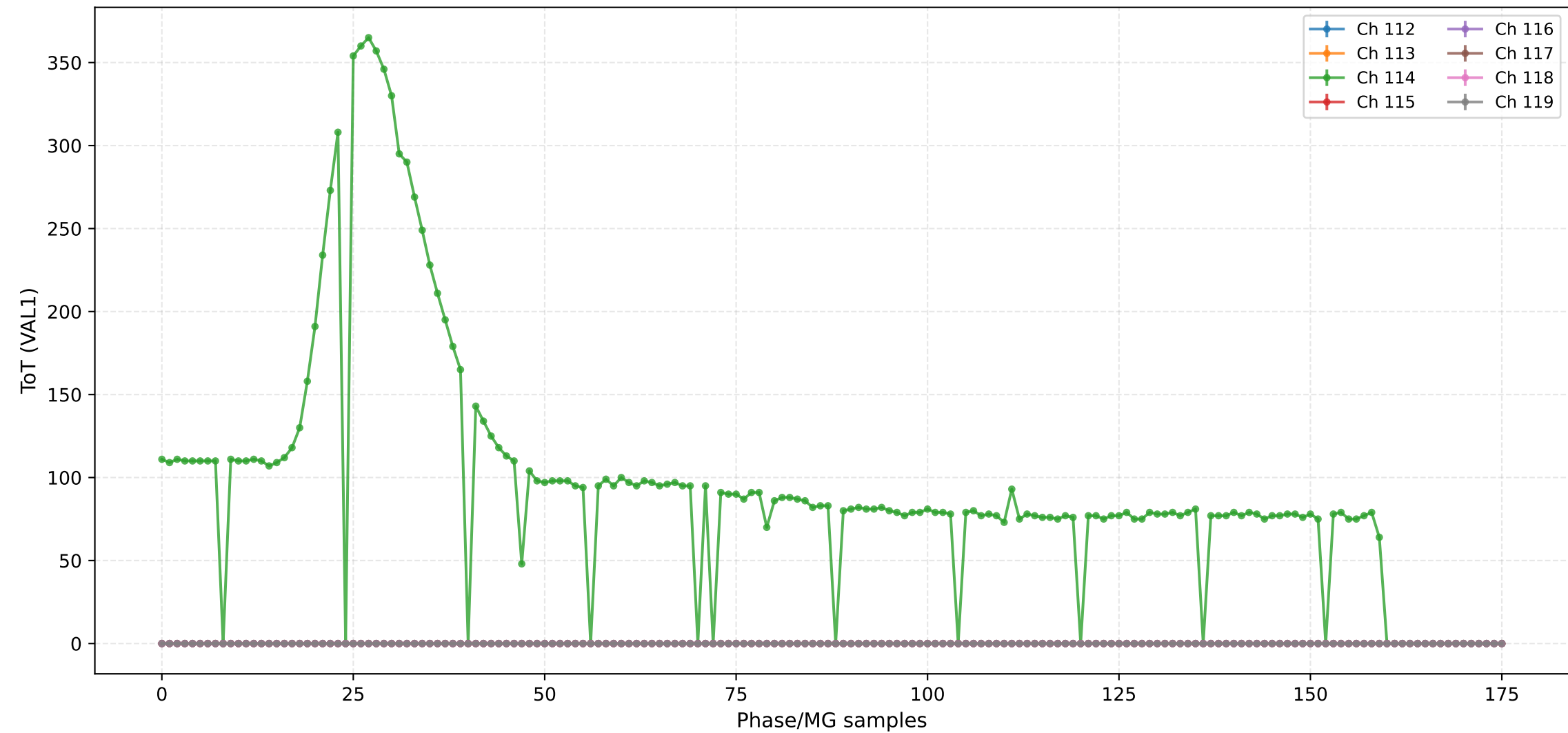




## ToT (VAL1) - Channels 104 to 111



## ToT (VAL1) - Channels 112 to 119



### ToT (VAL1) - Channels 120 to 127



## ToT (VAL1) - Channels 128 to 135



## ToT (VAL1) - Channels 136 to 143



## ToT (VAL1) - Channels 144 to 151





## ToA (VAL2) - Channels 8 to 15





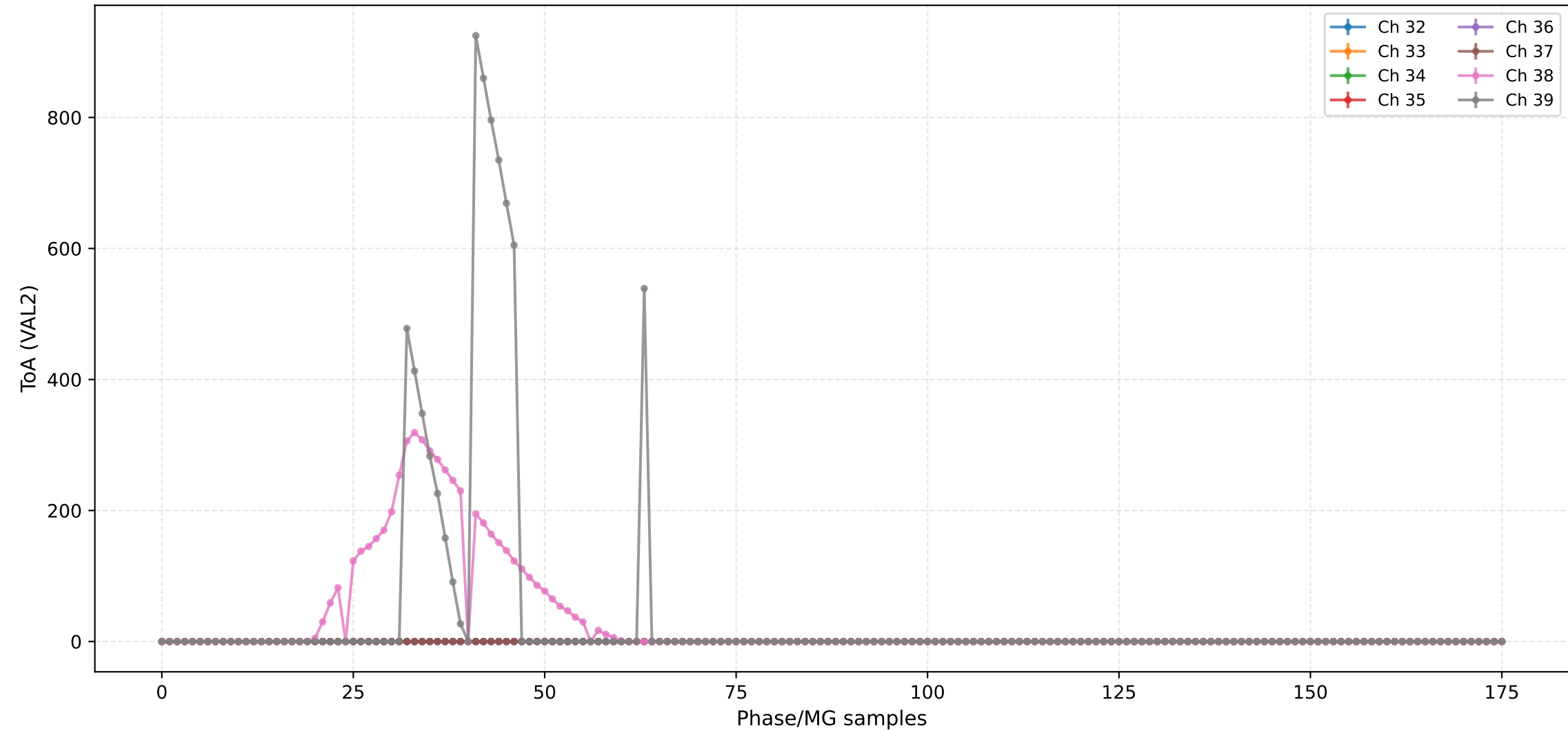
## ToA (VAL2) - Channels 16 to 23



## ToA (VAL2) - Channels 24 to 31



## ToA (VAL2) - Channels 32 to 39



## ToA (VAL2) - Channels 40 to 47



ToA (VAL2) - Channels 48 to 55



ToA (VAL2) - Channels 56 to 63



## ToA (VAL2) - Channels 64 to 71







ToA (VAL2) - Channels 80 to 87



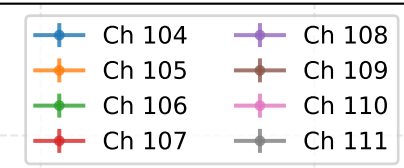
## ToA (VAL2) - Channels 88 to 95



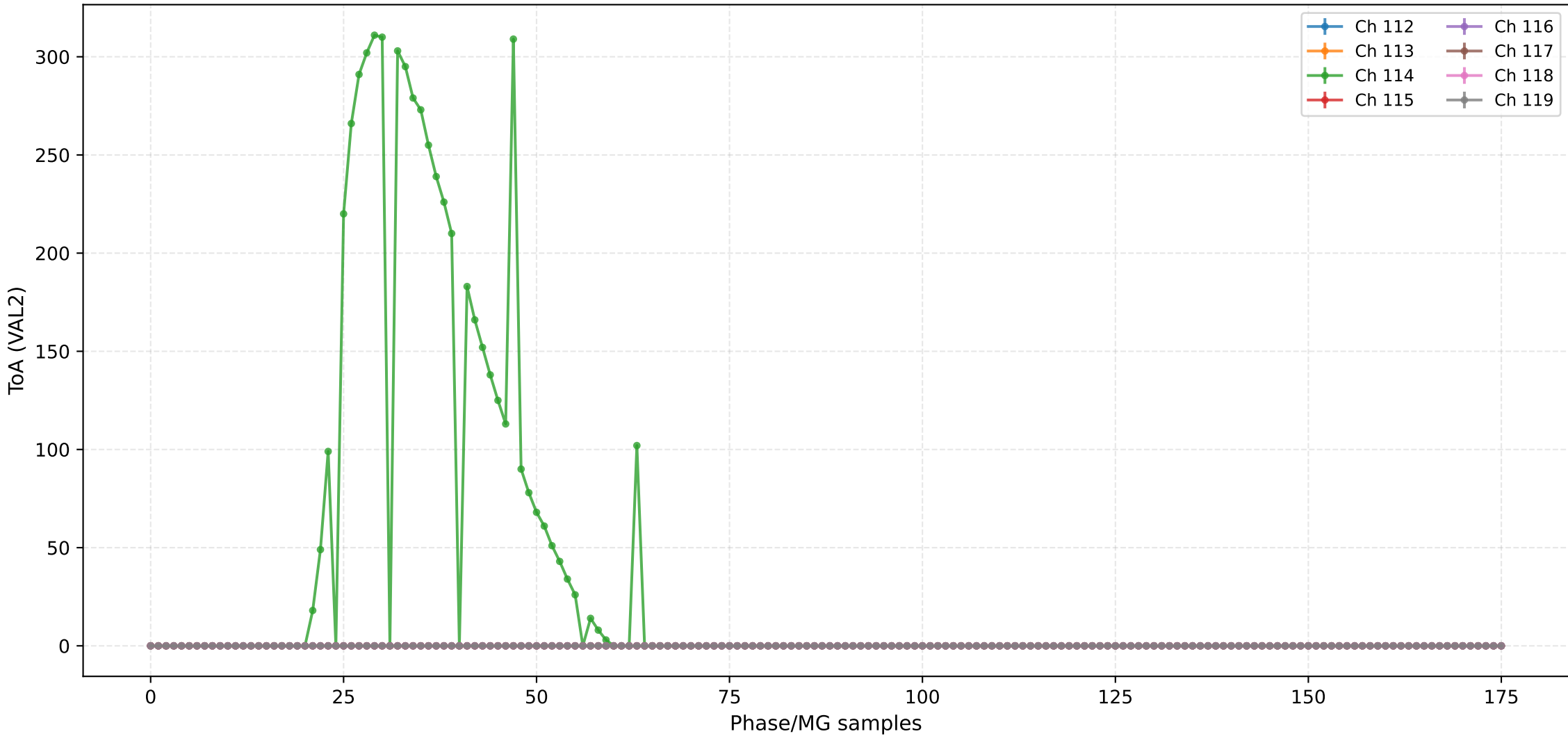
ToA (VAL2) - Channels 96 to 103



The figure displays the time evolution of the order parameter  $S$  for five different channels. The x-axis represents time  $t$  from 0 to 150, and the y-axis represents the order parameter  $S$  from 0.0 to 1.0. The legend identifies the channels: Ch 104 (blue), Ch 105 (orange), Ch 106 (green), Ch 107 (red), and Ch 108 (purple). All channels start at  $S \approx 0.5$  at  $t = 0$ . Ch 104 and Ch 105 show a sharp increase to  $S \approx 0.95$  by  $t = 10$ . Ch 106 and Ch 107 show a sharp increase to  $S \approx 0.85$  by  $t = 10$ . Ch 108 remains at  $S \approx 0.5$  throughout the time range.



## ToA (VAL2) - Channels 112 to 119



ToA (VAL2) - Channels 120 to 127



## ToA (VAL2) - Channels 128 to 135



The graph displays the time evolution of the expectation value of the Pauli matrix  $\sigma_y$  for five different channels (Ch 136 to Ch 139). The x-axis represents time in units of  $10^{-12}$  s, ranging from 0 to 150. The y-axis represents the expectation value, ranging from -0.5 to 0.5. All five channels show a constant value of approximately 0.05 throughout the entire time range.

Channel	Expectation Value of $\sigma_y$
Ch 136	~0.05
Ch 137	~0.05
Ch 138	~0.05
Ch 139	~0.05
Ch 140	~0.05





## ToA (VAL2) - Channels 144 to 151



## Injection Scan Results

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Script: 205\_Injection v1.0

Date: 2025-12-11 18:31:44

### Configuration:

- Total ASICs: 2
- Injection DAC: 3500
- Machine Gun: 10
- Scan Pack: 2
- Scan Channels: 5
- 2.5V Injection: True
- High Range Injection: False

### Analog Settings:

- RF: 0x-1
- CF: 0x-1
- CC: 0x-1
- CF Comp: 0x-1

### Output Files:

- 205\_Injection\_asic2\_injdac3500\_mg10\_pack2\_chn5\_val0.csv
- 205\_Injection\_asic2\_injdac3500\_mg10\_pack2\_chn5\_val1.csv
- 205\_Injection\_asic2\_injdac3500\_mg10\_pack2\_chn5\_val2.csv